

**WHAT IS CLAIMED IS:**

1. A method of preconditioning an anion exchange resin, comprising: providing an anion exchange resin bed and passing carbon dioxide gas through the resin bed.
2. The method of Claim 1, wherein the anion exchange resin is a DOW® 550 anion exchange resin.
3. The method of Claim 1, further comprising prior to passing said carbon dioxide gas through said anionic exchange resin, purifying the carbon dioxide gas.
4. The method of Claim 3, wherein the carbon dioxide gas is purified in an ionic purifier in which the carbon dioxide gas is brought into countercurrent contact in a column with a liquid comprising (high-purity water,) thereby forming a purified carbon dioxide gas which is removed from the ionic purifier.
5. The method of Claim 4, wherein packing material is disposed inside the column.
6. The method of Claim 5, wherein the carbon dioxide gas is introduced into the column at a point below the packing material.
7. The method of Claim 5, wherein the liquid is continuously introduced into the column at a point above the packing material, and the carbon dioxide gas is continuously introduced into the column.

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8. The method of Claim 1, wherein the preconditioning is performed in situ in an anion exchange column containing the anion exchange resin bed.

9. The method of Claim 8, wherein the column further contains high purity water through which the carbon dioxide gas is bubbled.

10. The method of Claim 8, wherein the carbon dioxide gas is introduced into a bottom portion of the column and is removed from a top portion thereof.

11. The method of Claim 1, wherein the anion exchange resin is converted to bicarbonate ( $\text{HCO}_3$ ) form.

12. The method of Claim 11, wherein the carbon dioxide gas is passed through the anion exchange resin for a period of from about 7 to 10 hours.

13. The method of Claim 1, further comprising contacting the anion exchange resin with deionized water after passing the carbon dioxide gas through the resin.

14. The method of Claim 13, wherein the carbon dioxide is passed through the resin bed at about atmospheric pressure.

15. A resin preconditioned by the method of Claim 1.

16. The resin of Claim 15, wherein the resin is in bicarbonate ( $\text{HCO}_3$ ) form.

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carbon impurities in said hydrogen peroxide solution, wherein the said third column is connected in series with and upstream of the first and second columns.

25. The method according to Claim 18, wherein ionic impurities are removed from a hydrogen peroxide solution.

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1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.